

Title (en)  
Method for transferring data over a data bus

Title (de)  
Verfahren zur Übertragung von Daten über einen Datenbus

Title (fr)  
Procédé de transfert de données sur un bus de données

Publication  
**EP 1246043 A3 20060920 (DE)**

Application  
**EP 02100294 A 20020326**

Priority  
DE 10115118 A 20010327

Abstract (en)  
[origin: EP1246043A2] Method for transfer of data over a data bus (13) between a processor (10) and a memory unit (19) with a number of memory cells (17). The processor transmits the logical address of a memory cell via an address bus (11). The memory cell has at least two different logical addresses assigned to it and the transferred data is altered in a manner dependent on the logical address allocated to it. The data is changed using a logic circuit, data bit permutations, data bit replacements with address bits, or cryptographically determined replacements. The data change is different for each memory access. An Independent claim is made for a data transfer system with a data changing unit for varying manipulation of transmitted data.

IPC 8 full level  
**G06F 1/00** (2006.01); **G06F 12/14** (2006.01); **G06F 21/79** (2013.01); **G06F 21/85** (2013.01)

CPC (source: EP US)  
**G06F 12/1408** (2013.01 - EP US); **G06F 21/79** (2013.01 - EP US); **G06F 21/85** (2013.01 - EP US)

Citation (search report)

- [A] US 5892826 A 19990406 - BROWN DAVID L [US], et al
- [A] US 5095525 A 19920310 - ALMGREN TED C [US], et al
- [PA] EP 1093056 A1 20010418 - NEC CORP [JP]
- [A] US 5933854 A 19990803 - YOSHIMURA YOSHIMASA [JP]
- [A] US 5239634 A 19930824 - BUCH BRUCE D [US], et al

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1246043 A2 20021002; EP 1246043 A3 20060920; EP 1246043 B1 20081029**; AT E412938 T1 20081115; DE 10115118 A1 20021010; DE 50212947 D1 20081211; JP 2002328844 A 20021115; US 2002146019 A1 20021010; US 7092400 B2 20060815

DOCDB simple family (application)  
**EP 02100294 A 20020326**; AT 02100294 T 20020326; DE 10115118 A 20010327; DE 50212947 T 20020326; JP 2002089082 A 20020327; US 10491302 A 20020322